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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/987,003	11/13/2001		Satoshi Seo	740756-2389	6380
31780	7590	11/16/2004		EXAMINER	
ERIC ROB	INSON		NEGRON, ISMAEL		
PMB 955 21010 SOUTHBANK ST.				ART UNIT PAPER NUM	
POTOMAC	FALLS, '	VA 20165	2875		
				DATE MAILED: 11/16/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Exeminate of time may be available under the provision of 3 CPR 1.136(). In no event, however, may a reply be timely filed If the period for reply specified above is less than thirty (30) days, a reply within the stitutiony minimum of lithin (30) days will be considered timely. If the period for reply specified above is less than thirty (30) days, a reply within the stitutiony minimum of lithin (30) days will be considered timely. If the period for reply specified above is less than thirty (30) days, a reply within the stitutiony minimum of lithin (30) days will be considered timely. If the period for reply specified above is less than thirty (30) days, a reply vietne pays and village is (50) MONTHS from the resulting date of this communication. Any reply received by the Office lister than three more is after the mailing date of this communication, even if timely filed, may reduce a reply search application is in condition. Application is FINAL. 2b) This action is FINAL. 2b) This action is formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-93 is/are pending in the application. 4a) Of the above claim(s) is/are vithdrawn from consideration. 5 Claim(s) 1-93 is/are rejected. 7 Claim(s) 1-93 is/are rejected to. 8 Claim(s) 1-93 is/are rejected to. 8 Claim(s) 1-93 is/are rejected to. 9 The specification is objected to by the Examiner. 10 The drawing(s) filed on 13 November 2001 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9 The specification is objected to by the Examiner. 10 The oath or declaration is objected to by the Examiner. Application Papers sheet(s) including the correction is required if the drawing(s) is objected to by the Examiner. Application from the international Bureau (PCT Rule 17.2(a)). * See the attac		Application No.	Applicant(s)						
Simale Negron Series Ser		09/987,003	SEO, SATOSHI						
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Estamblished for many be evident under the provision of 3 °CFR 1.136(a). In no event, however, may a reply be timely fitted a separate of the period for reply specified above its less than thirty (30) days, a reply within the statadory minimum of thirty (30) days, will be considered timely. If the period for reply specified above its less than thirty (30) days, a reply within the statadory minimum of thirty (30) days, will be considered timely. If the period for reply specified above its less than thirty (30) days, a reply within the statadory minimum of thirty (30) days, will be considered timely. If the period for reply specified above its less than thirty (30) days, a reply within the statadory minimum of thirty (30) days, will be considered timely. If the period for reply specified above its less than thirty (30) days are period to reply within the statadory, the replaced timely. If the period for reply specified above its less than thirty (30) days are the realing date of this communication. Fallow the construction of the communication of the communication, and the communication. Provided the communication of the communication of the communication is non-final. Disposition of Claims Application of Claims Application of Claims Application of Claims O Claim(s) is/are pending in the application. Application of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) is/are pending in the application and/or election requirement. Application Papers 9	Office Action Summary	Examiner	Art Unit						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Camericine of time may be available under the protection of 37 CPR 1.736(a). In no event, however, may a reply be timely filled - If the period for reply specified above, the maximum statutory pariod will apply and vill expire SIX (8) MONTHS from the metalog date of this communication of thiny (90) days, will be considered timely. - If NO period for reply is pecified above, the maximum statutory pariod will apply and vill expire SIX (8) MONTHS from the metalog date of this communication If NO period for reply is pecified above, the maximum statutory pariod will expire SIX (8) MONTHS from the metalog date of this communication, even if timely filed, may reduce any search application is period by the CPR date than three more intended and the melling date of this communication, even if timely filed, may reduce any search plants teem adjustment. See 37 CFR 1.704(a). Status 1) Responsive to communication(s) filed on @5 October 2004. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are allowed. 5) Claim(s) is/are allowed. 5) Claim(s) is/are objected to . 5) Claim(s) is/are objected to . 2) The specification is objected to by the Examiner. 10) The drawing(s) filed on 13 November 2001 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 13 November 2001 is/are: a) accepted or b) objected to by the Examiner. Application provided the provided provided provided provided provided provided provided provided provided provid		Ismael Negron	2875						
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3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 1 Notice of Informal Patent Application (PTO-152)	- · · · ·								
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Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

1. Claims 1-4, 12-15, 23-28, 36-41, 49-51, 59-61 and 69-85 are rejected under 35 U.S.C. 103(a) as being unpatentable over KAWAMI et al. (U.S. Pat. 5,882,761) in view of SOUTHWICK, Jr. (U.S. Pat. 2,578,324).

KAWAMI et al. discloses an illumination device having:

- a container sealed off from the atmosphere, Figure 1, reference number 10;
- an organic electro luminescent element (OELE) located in the
 container, Figure 1, reference number 4;
- a drying agent located in the container, Figure 1, reference number 8;
- the drying agent chemically absorbing moisture and maintaining its solid state after the moisture absorption, column 4, lines 35-37;
- the drying agent including one of an alkaline metal oxide and an alkaline-earth metal oxide, column 4, lines 43-47;

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- the drying compound including sodium oxide (Na₂O), column 4, lines 48 and 49;
- the drying compound including calcium oxide (CaO), column 4, line 51;
- the container including a substrate formed separately from the OELE, Figure 1, reference number 7;
- the drying agent being in contact with the substrate, Figure 1;
- the container having a concave inner portion where the drying agent is contained, Figure 1, reference number 11; and
- the illumination device being incorporated into an OELE display device, column 1, lines 6-9.

KAWAMI et al. discloses all the limitations of the claims, except the drying agent including a porous seal having a porosity of 20% or more.

SOUTHWICK, Jr. discloses a drying pouch having a drying agent (Figure 3) contained inside a porous pouch (Figure 4), such porous pouch consisting of two layers of a porous material (Figure 2).

It would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to include the porous layers of SOUTHWICK, Jr. in the OELE of KAWAMI et al. to further protect the OELE from moisture trapped by the desiccant material as suggested by SOUTHWICK, Jr. (column 2, lines 20-27). It is further noted that KAWAMI et al. discloses the space separating the OELE 6 and the

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desiccant material 8 being filled by a dried inert gas. The inert gas is used to isolate the drying substance 8 from the OELE 6, while providing permeability to moisture.

Regarding the porosity of the porous seal of SOUTHWICK, Jr. being 20% or more, one of ordinary skill in the art at the time the invention was made would have recognized the "tissue paper" and "Kraft paper" of SOUTHWICK, Jr. to have a porosity well into the claimed range. Even if such one of ordinary skill failed to recognize the properties of the disclosed papers, the claimed range would still be obvious in light of SOUTWICK, Jr. statements regarding the "Kraft paper" being "very porous" and having "enhanced water vapor transmission characteristics" (column 3, lines 49-55).

2. Claims 5-11, 16-22, 29-35, 42-48, 52-58, 62-68 and 86-92 are rejected under 35 U.S.C. 103(a) as being unpatentable over KAWAMI et al. (U.S. Pat. 5,882,761) in view of SOUTHWICK, Jr. (U.S. Pat. 2,578,324).

The combined teachings of KAWAMI et al. and SOUTHWICK, Jr. disclose, or suggest in combination (see Section 3 of the instant Office Action) all the limitations of the claims, except the illumination device being incorporated in one of a video camera, a digital camera, an image reproduction apparatus, a portable computer, a mobile telephone, a personal computer and an acoustic equipment.

The examiner takes Official Notice that the use of OELE devices is old and well known in the illumination art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the OELE of KAWAMI et al. and SOUTHWICK, Jr. in one of the cited apparatus. One would have been motivated since OELE are recognized in the illumination art to have many desirable advantages,

including reduced size and thickness, high efficiency, low power consumption, long life, resistance to vibrations, and low heat production, over other light sources. See Section 5 of the instant Office Action.

Response to Arguments

- 3. Applicant's arguments filed October 5, 2004 have been fully considered but they are not persuasive.
- 4. Regarding the Examiner's rejection of claim 1 under 35 U.S.C. 103(a) as being unpatentable over KAWAMI et al. in view of SOUTHWICK, Jr., the applicant argues that the cited reference fails to disclose all the features of the claimed invention, specifically the drying agent comprising as a porous body having a porosity of 20% or more.

In response to applicant's arguments that the cited combination of references fail to disclose individually, or suggest when combined, a drying agent formed as the claimed porous body, the applicant is advised that claims in a pending application should be given their broadest reasonable interpretation. In re Pearson, 181 USPQ 641 (CCPA 1974). In this case, the drying agent structure of SOUTHWICK, Jr. includes a body having the claimed porosity. Incorporating the drying agent structure of SOUTHWICK, Jr. into the OELE of KAWAMI et al. would have been obvious improvement, as detailed in Section 1 of the instant Office Action.

The Examiner recognizes that the subject matter disclosed by the instant application features the drying agent formed as a porous body having a porosity of 20% Art Unit: 2875

or more, however, the language of the claims is sufficiently broad to read on the combined teachings of KAWAMI et al. and SOUTHWICK, Jr.. having the porous body physically separate from the drying agent, but still forming part of its structure. The Examiner suggests amending the last recitation of Claim 1 to read "wherein the drying agent comprises is formed as a porous body having a porosity of 20% or more." However, while the proposed amendment would positively recite the porous body as being one and the same as the drying agent, it would fail to overcome the obviousness rejection of the 20% or more porosity range, in light of SOUTHWICK, Jr. statements regarding the advantages of a relatively high porosity value.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ismael Negron whose telephone number is (571) 272-2376. The examiner can normally be reached on Monday-Friday from 9:00 A.M. to 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea, can be reached at (571) 272-2378. The facsimile machine number for the Art Group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications maybe obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, go to http://pair-direct.uspto.gov. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) toll-free at 866-217-9197.

November 12, 2004